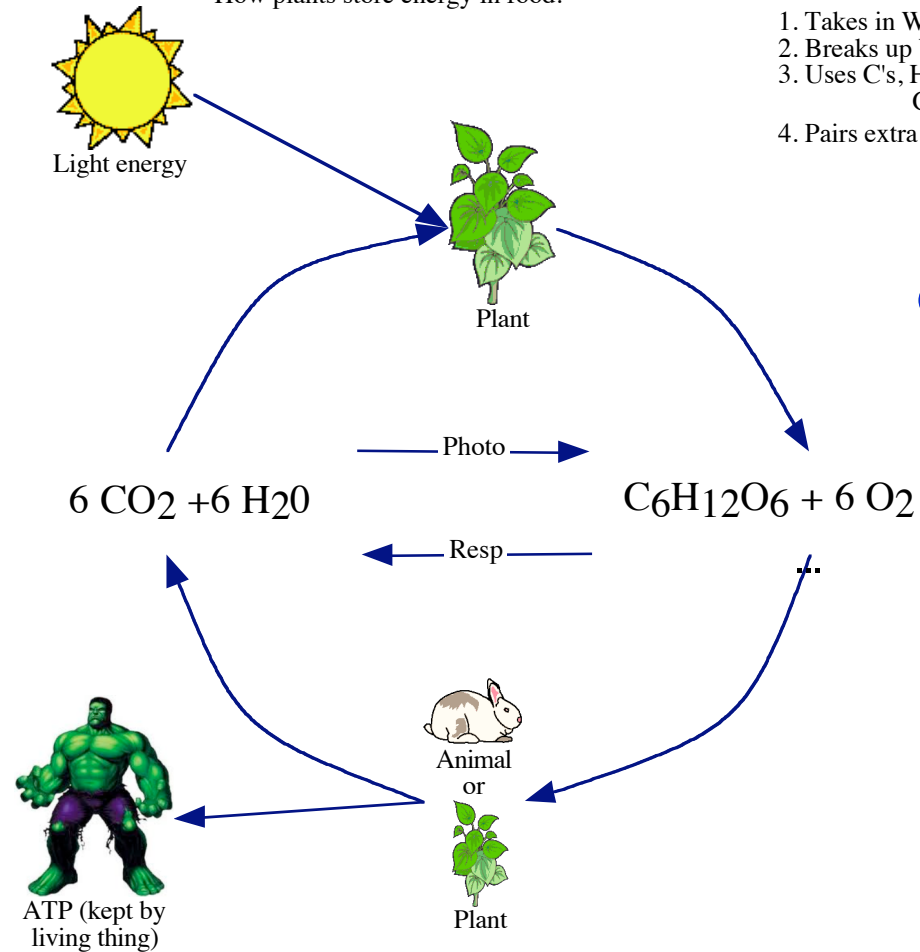
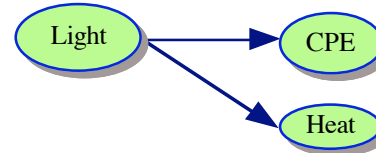


Photosynthesis - Process plants go through to create glucose
or
How plants store energy in food.



1. Takes in Water and Carbon Dioxide
2. Breaks up Water and Carbon Dioxide
3. Uses C's, H's, and O's to make Glucose ($\text{C}_6\text{H}_{12}\text{O}_6$)
4. Pairs extra Oxygen atoms and releases O_2

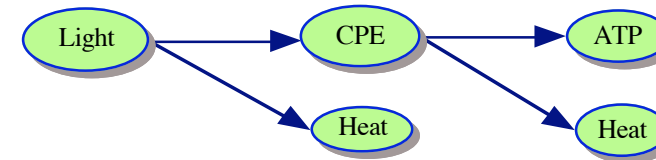
**Photo.
Energy Changes**



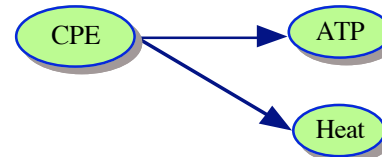
What: Photosynthesis
Who: Plants ONLY
When: When enough CO_2 and H_2O and light energy are present
Where: The Chloroplast (green stuff)
Why: To make food for themselves

HOW: see 4 steps

**Full Cycle
Energy Changes**



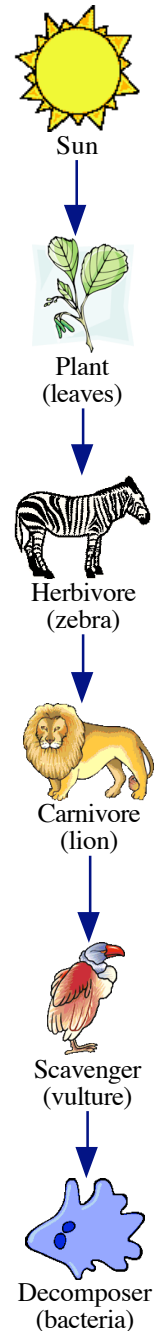
**Resp.
Energy Changes**



What: Cellular Respiration
Who: Living things (animals AND plants)
When: When Glucose and Oxygen are present in the cell
Where: The Mitochondria
Why: To get the energy out of food

HOW: see 4 steps

Food/Energy Chain



Cellular Respiration - Process living things go through to break down food
or
How living things get the energy out of glucose

1. Takes in Glucose and breathes in Oxygen
2. Breaks up glucose and oxygen
3. Uses C's, H's, and O's to make water and carbon dioxide
4. Keeps Energy (ATP) releases CO_2 and H_2O